

# SHA MOHAMAD YEAHIA IDRIS

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## PROFESSIONAL SUMMARY

Detailed-oriented Computer Science graduate with strong analytical and problem-solving skills, experienced in working with data, databases, and statistical techniques. Proficient in SQL, Python, and data visualization tools, with a solid foundation in extracting insights, building reports, and supporting data-driven decision-making. Eager to leverage analytical expertise to transform complex data into meaningful business solutions.

## WORK EXPERIENCE

### Software Engineer (Intern)

Vobon | November 2025 – Present

- Contributed to the development and enhancement of a SaaS-based building management platform used by apartment communities across Bangladesh.
- Provided onboarding support and technical guidance to apartment committees during system implementation.
- Collaborated with cross-functional teams to gather requirements and improve user experience.
- Conducted testing, debugging, and deployment of system updates.

## SKILLS

- Programming Languages:** C#, Python, Java, C++, JavaScript, PHP, SQL/PL-SQL
- Databases:** Oracle, MySQL, SQL Server, PostgreSQL, SQLite
- Tools/Frameworks:** ADO.NET, React, Git, Oracle APEX, Postman, Visual Studio, Android Studio, Figma, SQL Server Management Studio, Spreadsheet
- Web Technologies:** HTML, CSS, JavaScript, shadcn/ui, Progressive Web Apps (PWA)
- Soft Skills:** Teamwork, Problem-Solving, Critical Thinking

## PROJECTS

### Finance Tracker: Personal Expense Management Web App

[[Live](#)]

January 2026 | Tech Stack: React, TypeScript, Vite, Tailwind CSS, IndexedDB (Dexie), Recharts, PWA

- Built a responsive finance management app with transaction tracking and real-time analytics.
- Designed an offline-first architecture using IndexedDB (Dexie) and PWA support for installable usage without internet.

### TripMaker: Travel Agency Management System

[[GitHub Repository](#)]

July 2025 | Tech Stack: C#, Oracle 10g, Windows Forms, ADO.NET

- Developed a multi-module booking platform for hotels, flights, buses, and activities, reducing manual booking time by 80%.
- Designed a normalized Oracle 10g database with ADO.NET integration, ensuring secure, reliable, and error-free transactions.

### TripMaker Travel Agency System – QA & Project Documentation

[[Documentation Link](#)]

June 2025 | Tech Stack: Figma, MS Word, Google Sheets, Selenium (planned), Postman (planned)

- Created a full software test plan (IEEE 829 standard), including requirement traceability, risk analysis, and automation strategy.
- Crafted interactive UI mockups and Gantt-based project timelines, improving sprint planning and reducing rework.

### Word Ladder Game

[[GitHub Repository](#)]

April 2025 | Tech Stack: Python, Tkinter, NLTK

- Built an interactive word puzzle game with a GUI that challenges users to transform words through valid transitions.
- Integrated NLTK's WordNet API for NLP-based word validation, ensuring 100% dictionary-based accuracy in gameplay logic.

## Library Management System

[GitHub Repository]

September 2024 | Tech Stack: HTML, CSS, PHP, MySQL, XAMPP

- Engineered a web-based system to manage book lending, returns, and availability using PHP and MySQL.
- Automated overdue tracking and return scheduling, reducing manual processes and improving system reliability.

## Diagnostic Service Provider System

[GitHub Repository]

December 2023 | Tech Stack: C#, SQL Server, Windows Forms

- Built a healthcare appointment system allowing patient registration, diagnostic center search, and secure admin functionality.
- Designed a SQL schema to manage 50+ diagnostic test types, enabling flexible service selection and accurate patient data handling.

## Road Master Car Racing

[GitHub Repository]

May 2024 | Tech Stack: C++, OpenGL, GLUT, Code::Blocks

- Programmed a 2D racing game with obstacle detection, track switching, and time-based scoring logic.
- Implemented real-time collision detection and frame rendering at 60 FPS for smooth gameplay.

## Food Court Management System

[GitHub Repository]

July 2024 | Tech Stack: Java, Java Swing, AWT

- Built a desktop system for handling food orders, item management, and daily sales tracking through a graphical interface.
- Automated inventory monitoring and real-time order updates to reduce transaction errors and improve admin oversight.

## EDUCATION

### BSc. in Computer Science & Engineering

Year of Completion: 2025

#### Major in Software Engineering

CGPA: 3.58/4.00

American International University-Bangladesh, Dhaka

### Higher Secondary Certificate (HSC)

Year of Completion: 2020

Barisal Mohanagar College, Barishal

GPA: 4.17/5.00

### Secondary School Certificate (SSC)

Year of Completion: 2018

Naygaon Secondary School, Barishal

GPA: 4.22/5.00

## AWARD, CERTIFICATE, WORKSHOP, MEMBERSHIP

- Workshop:** SQA workshop for absolute beginners at Ostad, UI/UX design fundamentals at Ostad, Python workshop for absolute beginners at Ostad.
- Certificate:** IT Essentials – Cisco Networking Academy [19 April,2022], Unlocking Research – A Beginner’s Blueprint. [9 July,2025], Digital Skills: User Experience – Accenture [28 June,2024]
- Member, ESAB AIUB Unit Face.
- Member, AIUB Community of Engineering Students – ACES.